

B'
com 4

transmitting the calibration time and a reference frame identifier, wherein the reference frame identifier specifies a frame boundary of a reference system pulse corresponding to the system timing information used in the determination of the calibration time.

Sub
A B2 2

(once amended) A method of time calibration comprising the steps of:

receiving at a receiver a message having a calibration time and a reference frame identifier, wherein the message is received over one or more frames, the reference frame identifier specifying a frame boundary of a reference system pulse, the calibration time being determined using satellite timing information and the reference system pulse; and synchronizing the receiver to satellite timing using the calibration time, the reference frame identifier and a reference point in a frame specified by the reference frame identifier.

3. (newly added) The method of claim 1 comprising the additional step of:

receiving a request to perform timing calibration prior to the step of determining the calibration time.

A2
SGB
CL

4. (newly added) The method of claim 1, wherein the step of determining the calibration time comprises the steps of:

detecting at least one satellite signal; and
determining the embedded satellite timing using the detected at least one satellite signal.

5. (newly added) The method of claim 4 comprising the additional step of:

receiving Doppler frequency information associated with the at least one satellite signal being detected prior to the step of detecting the at least one satellite signal.

6. (newly added) The method of claim 4 comprising the additional step of:

receiving aiding information associated with the at least one satellite signal being detected prior to the step of detecting the at least one satellite signal.

7. (newly added) The method of claim 6 comprising the additional step of:

receiving a holding time for indicating when the aiding information expires.

8. (newly added) The method of claim 1 comprising the additional step of:
transmitting an estimated frequency or a code phase search range.

9. (newly added) The method of claim 8 comprising the additional step of:
transmitting a time for indicating a time duration wherein the estimated frequency
or code phase search range is valid.

10. (newly added) The method of claim 2, wherein the step of receiving at the receiver the
message having the calibration time and the reference frame identifier comprises the step
of:
time stamping the message to indicate a time at which the message was received by
the receiver.

11. (newly added) The method of claim 2 comprising the additional steps of:
determining a second calibration time at the receiver using a detected satellite
signal; and
transmitting the second calibration time.

12. (newly added) The method of claim 11, wherein the second calibration time is based on a
one way propagation delay between the receiver and a transmitter from which the message
having the calibration time and the reference frame identifier was transmitted.

REMARKS

Reconsideration of this application is now being requested. Claims 1 and 2 have
been amended. Claims 3-12 have been added.

Claims 1 and 2 were rejected under 35 U.S.C. §102(b) as being anticipated by
Noguchi, U.S. Patent No. 4,607,257. Claims 1 and 2 have been amended. In light of the
amendments to claims 1 and 2, applicant respectfully traverses. Claim 1 has been amended to recite